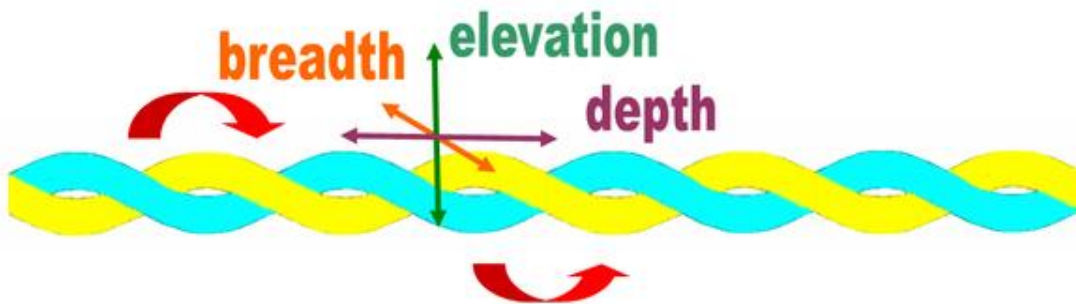


Does light have a transverse as well as a longitudinal speed?

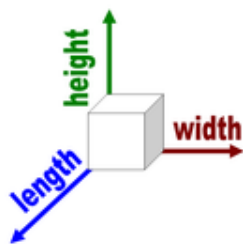
A rope, any rope that is twirled, torqued, spun around... has a longitudinal as well as a transversal motion. It actually has 3-vectorial (3V) motion: breadth (sideways), elevation (up and down), and depth (the direction in which the atom at the end of the rope feels the 'thump'). This 3V motion known as *torsion*.



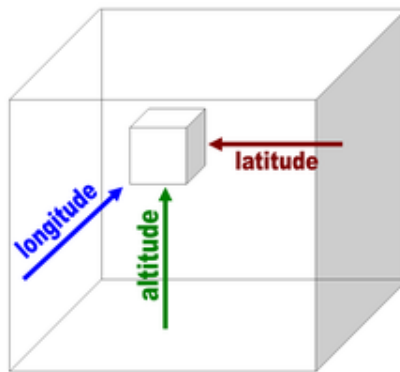
What is almost unbelievable is that the mathematical so-called 'physicists', from Fresnel to Hawking have never even considered that there is a different type of wave that is neither 1D (actually 1V) longitudinal nor standing (up and down) 2D (actually 2V) transverse. Part of the reason is that a mathematician has trouble distinguishing between dimensions, coordinates, and vectors. A mathematician deals exclusively with number lines which he casually calls dimensions, coordinates, and vectors.

Physics

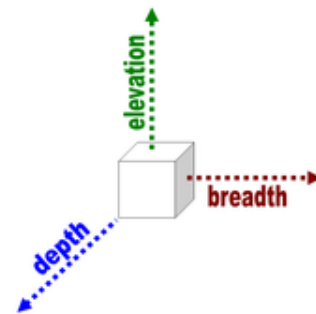
dimensions
orientation



coordinates
location



vectors
motion



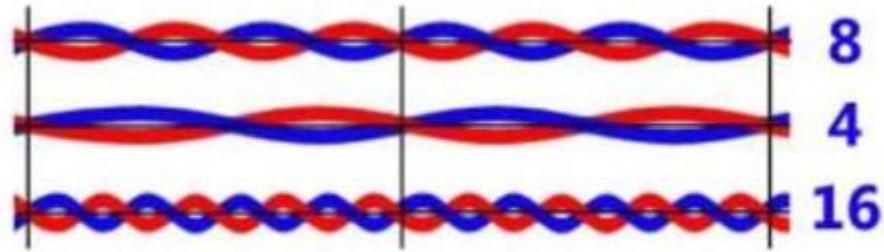
Math

number line
magnitude



The other important reason is that a mathematician rarely ponders qualitative mechanisms. It never occurred to him that maybe, just maybe, light could be a 3D (actually 3V) torsion rather than either a longitudinal or transverse 'wave'. All they had to do all these last 400 or 500 years was figure out WHY light is so fast and WHY gravity acts 'instantaneously' [i.e., *why weight is location specific pursuant to the gravitational equation factor ($m_1 m_2 / d^2$)*]. They had to figure out WHY little c is a constant and WHY frequency (f) is inversely proportional to wavelength (λ) in accordance with $c = f \lambda$.

$c = f \lambda$ is the equation of a rope!



of links is inversely proportional to linklength

What the mathematicians from Einstein to Hawking did, instead, was invent ever more irrational physical interpretations to 'explain' Mother Nature's invisible, intangible mechanisms with 0D point particles and transverse waves of nothingness. That's how they ended up with 0D black holes and particles at two places at once. Today, they're in that corner with fresh paint all around them and they can't get out.